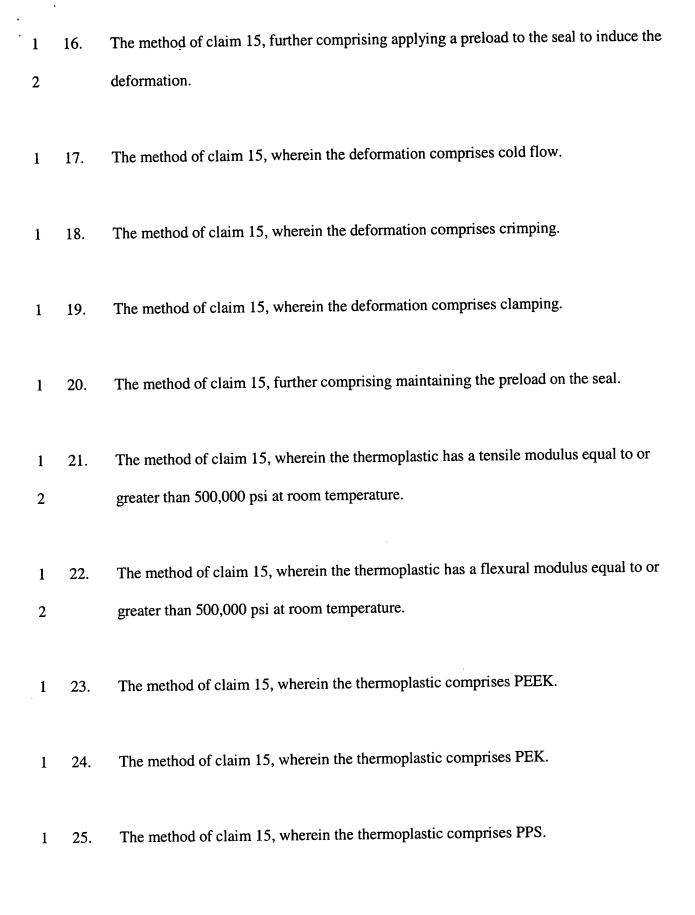
CLAIMS

I claim: 1 A seal assembly, comprising: 1. 1 a thermoplastic seal; 2 a preload member adapted to apply a force to and induce cold flow of the thermoplastic 3 seal. 4 The seal assembly of claim 1, further comprising a ferrule abutting an end of the 2. 1 thermoplastic seal. 2 The seal assembly of claim 1, wherein the ferrule is formed of a metal material. 3. 1 The seal assembly of claim 1, wherein the thermoplastic seal has a slot formed in an end 4. 1 thereof. 2 The seal assembly of claim 4, further comprising a ferrule having a protruding, tapered 5. 1 end abutting the end of the thermoplastic seal. 2 The seal assembly of claim 1, wherein the preload member is a threaded mandrel. 6. 1

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The seal assembly of claim 1, further comprising a spring adapted to maintain a force on 7. 1 the thermoplastic seal. 2 The seal assembly of claim 1, wherein the thermoplastic seal has a tensile modulus equal 8. 1 to or greater than 500,000 psi at room temperature. 2 The seal assembly of claim 1, wherein the thermoplastic seal has a flexural modulus equal 1 9. to or greater than 500,000 psi at room temperature. 2 The seal assembly of claim 1, wherein the thermoplastic seal comprises PEEK. 10. 1 The seal assembly of claim 1, wherein the thermoplastic seal comprises PEK. 1 11. The seal assembly of claim 1, wherein the thermoplastic seal comprises PPS. 1 12. The seal assembly of claim 1, wherein the thermoplastic seal comprises PEKEKK. 13. 1 The seal assembly of claim 1, wherein the thermoplastic seal comprises PET. 1 14. A method for sealing, comprising: 15. 1 providing a seal having a component formed of a thermoplastic; 2 inducing deformation of the component to create a fluidic seal. 3



1	26.	The method of claim 15, wherein the thermoplastic comprises PERER.
1	27.	The method of claim 15, wherein the thermoplastic comprises PET.
1	28.	A seal, comprising:
2		a ferrule; and
3		an adjacent seal member deformed by cold flow about at least a portion of the ferrule.
1	29.	The seal of claim 28, wherein the seal comprises a thermoplastic.
1	30.	The seal assembly of claim 29, wherein the thermoplastic has a tensile modulus equal to
2		or greater than 500,000 psi at room temperature.
1	31.	The seal assembly of claim 29, wherein the thermoplastic has a flexural modulus equal to
2		or greater than 500,000 psi at room temperature.
1	32.	The seal assembly of claim 29, wherein the thermoplastic comprises PEEK.
1	33.	The seal assembly of claim 29, wherein the thermoplastic comprises PEK.
1	34.	The seal assembly of claim 29, wherein the thermoplastic comprises PPS.
1	35.	The seal assembly of claim 29, wherein the thermoplastic comprises PEKEKK.

1	36.	The seal assembly of claim 29, wherein the thermoplastic comprises PET.
1	37.	The seal of claim 28, further comprising a preload member.
1	38.	A seal, comprising:
2		a housing;
3		a deformed thermoplastic seal member that provides a fluidic seal against the housing and
4		a component.
1	39.	The seal of claim 38, wherein the component is a control line.
1	40.	The seal of claim 38, wherein the seal member has a tensile modulus equal to or greater
2		than 500,000 psi at room temperature.
1 2	41.	The seal of claim 38, wherein the seal member has a flexural modulus equal to or greater than 500,000 psi at room temperature.
1	42.	The seal of claim 38, wherein the seal member comprises a PEEK material.
1	43.	The seal of claim 38, wherein the seal member comprises a PEK material.
1	44.	The seal of claim 38, wherein the seal member comprises a PPS material.

- 1 45. The seal of claim 38, wherein the seal member comprises a PEKEKK material.
- 1 46. The seal of claim 38, wherein the seal member comprises a PET material.